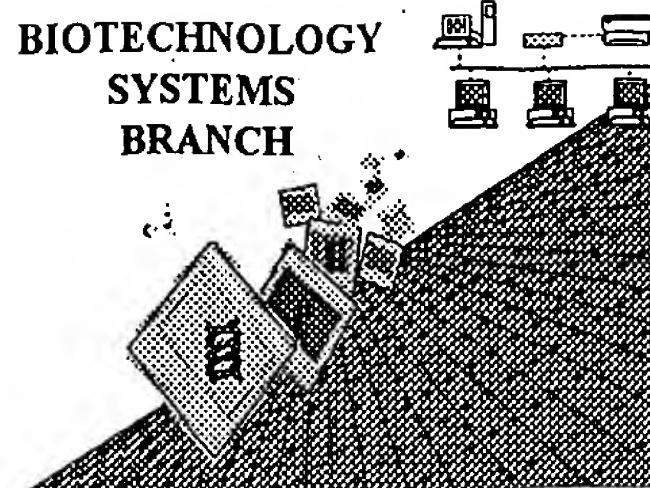


RAW SEQUENCE LISTING **ERROR REPORT**



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/727,739

Source: 1651

Date Processed by STIC: 5/3/2001

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MAY 16 2001

TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 09/722,739

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2 Wrapped Aminos The amino acid number/text at the end of each line "wrapped " down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3 Incorrect Line Length The rules require that a line not exceed 72 characters in length. This includes spaces.
- 4 Misaligned Amino Acid The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs
Numbering between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5 Non-ASCII This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6 Variable Length Sequence(s) contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and
indicate in the (ix) feature section that some may be missing.
- 7 PatentIn ver. 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
sequence(s) . Normally, PatentIn would automatically generate this section from the
previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section
to the subsequent amino acid sequence. This applies primarily to the mandatory <220>-<223>
sections for Artificial or Unknown sequences.
- 8 Skipped Sequences Sequence(s) missing. If intentional, please use the following format for each skipped sequence:
(OLD RULES) (2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped
- Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9 Skipped Sequences Sequence(s) missing. If intentional, please use the following format for each skipped sequence.
(NEW RULES) <210> sequence id number
 <400> sequence id number
 000
- 10 Use of n's or Xaa's Use of n's and/or Xaa's have been detected in the Sequence Listing.
(NEW RULES) Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 11 Use of "Artificial" Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules.
(NEW RULES) Valid response is Artificial Sequence.
- 12 Use of <220>Feature Sequence(s) are missing the <220>Feature and associated headings.
(NEW RULES) Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial Sequence" or "Unknown"
 Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
- 13 PatentIn ver. 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted
file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
Instead, please use "File Manager" or any other means to copy file to floppy disk.

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MAY 16 2001

TECH CENTER 1600/2900

1651

RAW SEQUENCE LISTING

DATE: 05/03/2001

PATENT APPLICATION: US/09/727,739

TIME: 16:25:47

Input Set : A:\255.00040101.txt

Output Set: N:\CRF3\05032001\I727739.raw

3 <110> APPLICANT: Sheridan, Mark
 4 Kittilson, Jeffrey
 5 Moore, Craig
 7 <120> TITLE OF INVENTION: Somatostatins and Methods
 9 <130> FILE REFERENCE: 255.00040101
 11 <140> CURRENT APPLICATION NUMBER: US 09/727,739
 12 <141> CURRENT FILING DATE: 2000-12-01
 14 <150> PRIOR APPLICATION NUMBER: US 60/168,934
 15 <151> PRIOR FILING DATE: 1999-12-03
 17 <160> NUMBER OF SEQ ID NOS: 52
 19 <170> SOFTWARE: PatentIn version 3.0
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 14
 23 <212> TYPE: PRT
 24 <213> ORGANISM: Homo sapiens
 26 <400> SEQUENCE: 1
 28 Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 29 1 5 10
 31 <210> SEQ ID NO: 2
 32 <211> LENGTH: 14
 33 <212> TYPE: PRT
 34 <213> ORGANISM: Oncorhynchus mykiss
 36 <400> SEQUENCE: 2
 38 Ala Gly Cys Lys Asn Phe Tyr Trp Lys Gly Phe Thr Ser Cys
 39 1 5 10
 41 <210> SEQ ID NO: 3
 42 <211> LENGTH: 114
 43 <212> TYPE: PRT
 44 <213> ORGANISM: Oncorhynchus mykiss
 46 <400> SEQUENCE: 3
 48 Met Leu Ser Thr Arg Val Gln Cys Ala Leu Ala Leu Leu Ser Leu Ala
 49 1 5 10 15
 51 Leu Ala Ile Ser Ser Val Ser Ala Ala Pro Ser Asp Ala Lys Leu Arg
 52 20 25 30
 54 Gln Leu Leu Gln Arg Ser Leu Met Ala Pro Ala Gly Lys Gln Glu Leu
 55 35 40 45
 57 Ala Arg Asn Thr Leu Val Glu Leu Leu Ser Glu Leu Ala His Val Glu
 58 50 55 60
 60 Asn Glu Ala Ile Glu Leu Asp Asp Met Ser His Gly Val Glu Gln Glu
 61 65 70 75 80
 63 Asp Val Asp Leu Glu Leu Glu Arg Ala Pro Gly Pro Val Leu Ala Pro
 64 85 90 95
 66 Arg Glu Arg Lys Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr
 67 100 105 110
 69 Ser Cys
 72 <210> SEQ ID NO: 4
 73 <211> LENGTH: 26

f.6
 Does Not Comply
 Corrected Diskette Needed

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/727,739

DATE: 05/03/2001

TIME: 16:25:47

Input Set : A:\255.00040101.txt

Output Set: N:\CRF3\05032001\I727739.raw

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74 <212> TYPE: PRT
75 <213> ORGANISM: Oncorhynchus mykiss
77 <400> SEQUENCE: 4
79 Ala Pro Gly Pro Val Leu Ala Pro Arg Glu Arg Lys Ala Gly Cys Lys
80 1          5          10          15
82 Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
83          20          25
85 <210> SEQ ID NO: 5
86 <211> LENGTH: 88
87 <212> TYPE: PRT
88 <213> ORGANISM: Oncorhynchus mykiss
90 <400> SEQUENCE: 5
92 Met Leu Ser Thr Arg Val Gln Cys Ala Leu Ala Leu Leu Ser Leu Ala
93 1          5          10          15
95 Leu Ala Ile Ser Ser Val Ser Ala Ala Pro Ser Asp Ala Lys Leu Arg
96          20          25          30
98 Gln Leu Leu Gln Arg Ser Leu Met Ala Pro Ala Gly Lys Gln Glu Leu
99          35          40          45
101 Ala Arg Asn Thr Leu Val Glu Leu Leu Ser Glu Leu Ala His Val Glu
102          50          55          60
104 Asn Glu Ala Ile Glu Leu Asp Asp Met Ser His Gly Val Glu Gln Glu
105 65          70          75          80
107 Asp Val Asp Leu Glu Leu Glu Arg
108          85
110 <210> SEQ ID NO: 6
111 <211> LENGTH: 12
112 <212> TYPE: PRT
113 <213> ORGANISM: Oncorhynchus mykiss
115 <400> SEQUENCE: 6
117 Ala Pro Gly Pro Val Leu Ala Pro Arg Glu Arg Lys
118 1          5          10
120 <210> SEQ ID NO: 7
121 <211> LENGTH: 24
122 <212> TYPE: PRT
123 <213> ORGANISM: Oncorhynchus mykiss
125 <400> SEQUENCE: 7
127 Met Leu Ser Thr Arg Val Gln Cys Ala Leu Ala Leu Leu Ser Leu Ala
128 1          5          10          15
130 Leu Ala Ile Ser Ser Val Ser Ala
131          20
133 <210> SEQ ID NO: 8
134 <211> LENGTH: 763
135 <212> TYPE: DNA
136 <213> ORGANISM: Oncorhynchus mykiss
138 <400> SEQUENCE: 8
139 gggggggggg gaacaggagc agcagaactc aaagagaagc caatctcaac gattgtctgc 60
141 ccaattgaac cacctttatc catcctctgc ctcccccgag acccagaaga agatgctctc 120
143 gacgcgtgtc cagtgcgcc tagcactact ctccctagcc ctggccatca gcagcgtctc 180
145 tgccgctccg tccgatgcc aactccgcc gctgctccaa cggtcactca tggcacctgc 240

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RAW SEQUENCE LISTING

DATE: 05/03/2001

PATENT APPLICATION: US/09/727,739

TIME: 16:25:47

Input Set : A:\255.00040101.txt

Output Set: N:\CRF3\05032001\I727739.raw

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147 aggcaaacag gagcttgcca ggaatacact cgtagagcta ctctcagagc tcgcacatgt 300
149 agagaacgag gcgattgaat tggatgacat gtctcatggc gtggagcagg aggatgtgga 360
151 tctcgagctg gagcgtgcac ccggcccagt actggctcca cgtgaacgca aggctggatg 420
153 caagaacttc ttctggaaga cctttacatc gtgttaatga atctactcct ttactgtgtg 480
155 tactacatct catctctttt gtttcaatca ctcatgtctg aatccaatgc accatggcct 540
157 aaccctcctc ttcaaaaaat ttaaataaac actgttataa ctttaacaat cattctgatg 600
159 tttctatcgc tcacttagat ttttttccga aaaggaacac aagaaagaat gttctacaaa 660
161 tgtatgcggt tctgctttga ctgtgattta tgtatttttg cagactatct ttaattgttt 720
163 gtttgaataa aatctgtgtt tcagaaccaa aaaaaaaaaa aaa 763

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166 <210> SEQ ID NO: 9

167 <211> LENGTH: 115

168 <212> TYPE: PRT

169 <213> ORGANISM: Oncorhynchus mykiss

171 <400> SEQUENCE: 9

173 Met Lys Val Cys Arg Ile His Cys Ala Leu Ala Leu Leu Gly Leu Ala

174 1 5 10 15

176 Leu Ala Ile Cys Ser Gln Gly Ala Ala Ser Gln Pro Asp Leu Asp Leu

177 20 25 30

179 Arg Ser Arg Arg Leu Leu Gln Arg Ala Arg Ala Ala Leu Pro His

180 35 40 45

182 Arg Ser Gly Val Ser Glu Arg Trp Arg Thr Phe Tyr Pro Asn Cys Pro

183 50 55 60

185 Cys Leu Arg Pro Arg Lys Val Lys Cys Pro Ala Gly Ala Lys Glu Asp

186 65 70 75 80

188 Leu Arg Val Glu Leu Glu Arg Ser Val Gly Asn Pro Asn Asn Leu Pro

189 85 90 95

191 Pro Arg Glu Arg Lys Ala Gly Cys Lys Asn Phe Tyr Trp Lys Gly Phe

192 100 105 110

194 Thr Ser Cys

195 115

197 <210> SEQ ID NO: 10

198 <211> LENGTH: 28

199 <212> TYPE: PRT

200 <213> ORGANISM: Oncorhynchus mykiss

202 <400> SEQUENCE: 10

204 Ser Val Gly Asn Pro Asn Asn Leu Pro Pro Arg Glu Arg Lys Ala Gly

205 1 5 10 15

207 Cys Lys Asn Phe Tyr Trp Lys Gly Phe Thr Ser Cys

208 20 25

210 <210> SEQ ID NO: 11

211 <211> LENGTH: 87

212 <212> TYPE: PRT

213 <213> ORGANISM: Oncorhynchus mykiss

215 <400> SEQUENCE: 11

217 Met Lys Val Cys Arg Ile His Cys Ala Leu Ala Leu Leu Gly Leu Ala

218 1 5 10 15

220 Leu Ala Ile Cys Ser Gln Gly Ala Ala Ser Gln Pro Asp Leu Asp Leu

221 20 25 30

223 Arg Ser Arg Arg Leu Leu Gln Arg Ala Arg Ala Ala Leu Pro His

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/727,739

DATE: 05/03/2001

TIME: 16:25:47

Input Set : A:\255.00040101.txt

Output Set: N:\CRF3\05032001\I727739.raw

```

224          35          40          45
226 Arg Ser Gly Val Ser Glu Arg Trp Arg Thr Phe Tyr Pro Asn Cys Pro
227          50          55          60
229 Cys Leu Arg Pro Arg Lys Val Lys Cys Pro Ala Gly Ala Lys Glu Asp
230 65          70          75          80
232 Leu Arg Val Glu Leu Glu Arg
233          85
235 <210> SEQ ID NO: 12
236 <211> LENGTH: 14
237 <212> TYPE: PRT
238 <213> ORGANISM: Oncorhynchus mykiss
240 <400> SEQUENCE: 12
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243 1          5          10
245 <210> SEQ ID NO: 13
246 <211> LENGTH: 25
247 <212> TYPE: PRT
248 <213> ORGANISM: Oncorhynchus mykiss
250 <400> SEQUENCE: 13
252 Met Lys Val Cys Arg Ile His Cys Ala Leu Ala Leu Leu Gly Leu Ala
253 1          5          10          15
255 Leu Ala Ile Cys Ser Gln Gly Ala Ala
256          20          25
258 <210> SEQ ID NO: 14
259 <211> LENGTH: 623
260 <212> TYPE: DNA
261 <213> ORGANISM: Oncorhynchus mykiss
263 <400> SEQUENCE: 14
264 accaggcctg ctccataccg actgatccag atcgagcata gcccggtcca gctcagctcg 60
266 tctcaccgcg tgccatccct gcaaacaaaa cccagctctg ttggagatga aggtctgccg 120
268 aatccactgt gccctggccc tgctgggttt ggccctggcc atttgcagcc aaggagccgc 180
270 ctgcagccc gacctggacc tccgcagccg cagactcctt cagagggctc gtgccgctgc 240
272 attgccacac aggagtggag taagcgagcg gtggaggaca ttctatocca actgtccttg 300
274 cctgaggccc aggaagtga agtgtcaagc gggggctaaa gaggacctgc gtgtggagct 360
276 ggagcgctca gtgggcaacc ccaacaacct tccccccgt gagcgcaaag ccggctgcaa 420
278 gaactttctac tggaagggtc tcaattcctg ctgagggaag aataaaccga ccaccttatg 480
280 acatgacgct gccaatcacg tcacaccgcc aacttacacc tgacgaatgc agccaatcaa 540
282 cagtttagctg tgccgatga tggttcttga aatcaacaga atgatgtacc tgtctaattt 600
284 gtgaaataaa tataaataa ttg 623
287 <210> SEQ ID NO: 15
288 <211> LENGTH: 111
289 <212> TYPE: PRT
290 <213> ORGANISM: Oncorhynchus mykiss
292 <400> SEQUENCE: 15
294 Met Arg Val Ser Gln Ile His Cys Ala Leu Ala Leu Leu Gly Leu Ala
295 1          5          10          15
297 Leu Ala Ile Cys Ser Gln Gly Ala Ala Ser Gln Pro Asp Leu Asp Leu
298          20          25          30
300 Ala Ser Arg Arg Leu Leu Gln Arg Ala Leu Ala Ala Leu Pro His

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/727,739

DATE: 05/03/2001

TIME: 16:25:47

Input Set : A:\255.00040101.txt

Output Set: N:\CRF3\05032001\I727739.raw

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301          35          40          45
303 Arg Ser Gly Val Ser Glu Arg Trp Arg Thr Phe Tyr Pro Asn Cys Pro
304          50          55          60
306 Cys Leu Arg Trp Arg Pro Arg Lys Val Lys Gly Pro Gln Leu Lys Ala
307 65          70          75          80
309 Lys Glu Asp Leu Glu Arg Ser Val Asp Asn Leu Pro Pro Arg Glu Arg
310          85          90          95
312 Lys Ala Gly Cys Lys Asn Phe Tyr Trp Lys Gly Phe Thr Ser Cys
313          100          105          110
315 <210> SEQ ID NO: 16
316 <211> LENGTH: 25
317 <212> TYPE: PRT
318 <213> ORGANISM: Oncorhynchus mykiss
320 <400> SEQUENCE: 16
322 Ser Val Asp Asn Leu Pro Pro Arg Glu Arg Lys Ala Gly Cys Lys Asn
323 1          5          10          15
325 Phe Tyr Trp Lys Gly Phe Thr Ser Cys
326          20          25
328 <210> SEQ ID NO: 17
329 <211> LENGTH: 86
330 <212> TYPE: PRT
331 <213> ORGANISM: Oncorhynchus mykiss
333 <400> SEQUENCE: 17
335 Met Arg Val Ser Gln Ile His Cys Ala Leu Ala Leu Leu Gly Leu Ala
336 1          5          10          15
338 Leu Ala Ile Cys Ser Gln Gly Ala Ala Ser Gln Pro Asp Leu Asp Leu
339          20          25          30
341 Ala Ser Arg Arg Leu Leu Gln Arg Ala Leu Ala Ala Ala Leu Pro His
342          35          40          45
344 Arg Ser Gly Val Ser Glu Arg Trp Arg Thr Phe Tyr Pro Asn Cys Pro
345          50          55          60
347 Cys Leu Arg Trp Arg Pro Arg Lys Val Lys Gly Pro Gln Leu Lys Ala
348 65          70          75          80
350 Lys Glu Asp Leu Glu Arg
351          85
353 <210> SEQ ID NO: 18
354 <211> LENGTH: 11
355 <212> TYPE: PRT
356 <213> ORGANISM: Oncorhynchus mykiss
358 <400> SEQUENCE: 18
360 Ser Val Asp Asn Leu Pro Pro Arg Glu Arg Lys
361 1          5          10
363 <210> SEQ ID NO: 19
364 <211> LENGTH: 25
365 <212> TYPE: PRT
366 <213> ORGANISM: Oncorhynchus mykiss
368 <400> SEQUENCE: 19
370 Met Arg Val Ser Gln Ile His Cys Ala Leu Ala Leu Leu Gly Leu Ala
371 1          5          10          15

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09/727,739 6

<210> 22

<211> 37

<212> DNA

<213> Artificial

see item 11 on Ena Summary Sheet

<220>

<223> Primer

<400> 22

ggccacgcgt cgactagtac tttttttttt ttttttt

37

The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

FYI

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/727,739

DATE: 05/03/2001

TIME: 16:25:48

Input Set : A:\255.00040101.txt

Output Set: N:\CRF3\05032001\I727739.raw

L:419 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:22
 L:431 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:23
 L:443 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:24
 L:467 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
 L:473 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:25
 L:485 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:26
 L:572 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:33
 L:584 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:34
 L:599 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (35) SEQUENCE:
 L:1029 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:50
 L:1041 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:51
 L:1053 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:52